

S.N. 09/929,680

## REMARKS

Claims 1-34 stand allowed. Claim 36 is objected to as dependent upon a rejected base claim. And claims 35 and 37-45 have been rejected under 35 U.S.C. 102(b) as anticipated by *Loomis et al.* (Re. 36,012).

Claim 35 has been amended to further clarify a novel and nonobvious timing feature of the invention, which uses multiple short duration bursts of high-energy neutrons to stimulate the detection of phenomena related with long duration neutron bursts. While *Loomis et al.* describes the use of neutron-accelerator based measurements, it does not disclose or teach this aspect of the claimed invention.

Applicant submits that amended claim 35, along with its dependents, are in condition for allowance and passage to issuance of claims 1-45 is respectfully requested. If the Examiner believes that a telephone conference would be advantageous in advancing the issuance of the present application, a call to the undersigned at (281) 285-4562 is strongly encouraged.

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Respectfully submitted,



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AUG 12 2003

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